

In the United States Patent and Trademark Office

Serial Number: _____
Appn. Filed: 29 March 2004
Applicant(s): Colonel Terry Kolp
Appn. Title: _____
Examiner/GAU: _____

Hand-Delivered / Filed: 29 March 2004
At: U.S. Patent Office, Plaza II
Customer Service Center, Room 2B03
Arlington, VA

Petition to Make Special

Commissioner for Patents
Washington, District of Columbia 20231

Sir:

Applicant hereby respectfully petitions that the above application be made special under MPEP Sec. 708.02 for the following reason;
attached is a declaration in support thereof:

- | | |
|---|---|
| I. <input type="checkbox"/> Manufacturer Available;* | VII. <input type="checkbox"/> Recombinant DNA Is Involved;* |
| II. <input type="checkbox"/> Infringement Exists;* | VIII. <input type="checkbox"/> Special Procedure: Search Was Made;* |
| III. <input type="checkbox"/> Applicant's Health Is Poor; | IX. <input type="checkbox"/> Superconductivity Is Advanced; |
| IV. <input type="checkbox"/> Applicant's Age Is 65 or Greater; | X. <input type="checkbox"/> Relates to HIV/AIDS or Cancer.* |
| V. <input type="checkbox"/> Environmental Quality Will Be Enhanced; | XI. <input type="checkbox"/> Counters Terrorism* |
| VI. <input checked="" type="checkbox"/> Energy Savings Will Result; | |

* ☐ Also attached, since reason I, II, VII, VIII, X or XI has been checked, is the \$ _____ Petition Fee pursuant to
Rules 102 and 17(i).

Very respectfully,

Applicant(s):

Terry Kolp, prose, Independent Inventor

Attachment(s): Fee if indicated and supporting Declaration

c/o: _____

Telephone: _____

Certificate of Mailing

I certify that this correspondence will be deposited with the United States Postal Service as first class mail with proper postage affixed
in an envelope addressed to: "Commissioner for Patents, Washington, DC 20231" on the date below.

Date: 2004 29 March

Applicant

In the United States Patent and Trademark Office

Appn. Number: _____

Filing Date: 28 March 2004

Applicant(s): Kolp, Terry

Examiner: _____

Hand Delivered 29 March 2004, Mon
At: Arlington, Virginia [Washington, D.C.]

Declaration In Support of Accompanying Petition to Make Special
Reason VI—Energy Savings Will Result.

In support of the accompanying Petition to Make Special, applicant declares pursuant to 37 CFR 1.102, et seq., as follows :

1. I am the, Individual Inventor, applicant in the above-identified patent application.
2. The invention of the above application may materially contribute to the more efficient utilization and conservation of energy resources by contributing to the reduction of energy consumption in combustion engines and industrial equipment, etc.
3. Specifically, the invention of the above application is for an improved higher-performance spark plug and engine ignition system, employing the inventor's improved spark plug design, utility configuration(s) and engine ignition system using piezo-electric enhancement configuration(s) and component(s). It provides a more efficient spark from the center electrode(s) to the ground electrode(s) plus has multiple paths and results in one or more improvements—which should improve fuel combustion, increase gasoline/fuel mileage and engine horsepower and torque, also significantly reduce the smolder time or ignition delay time; and thus may consequently result in increased reductions to total fuel consumption per mile(s) traveled, hundreds of horsepower produced, per measured torque pounds delivered to a drive-train, per hour(s) of engine operation, etc. This may be accomplished in the manner and processes described below.
4. The innovative piezo-electriomic© portion of this invention may also now uniquely cost-effectively provide improved specified plus fixed total optimal combustion data inputs and adjustments for many different specific engines, i.e., snow-blowers, snowmobiles, jet skis, certain generator engines, ground-based compressors and many others, eg., pumping station motors fueled by natural gas, and also 2-cylinder and single-cylinder 2-stroke engines, etc.

5. Because this improvement now comprises its open flame design and its plasmic-corona-like features, this invention may burn and chemically oxidize gasoline and certain other hydrocarbon fuels 20% to 50% or more faster, which may also permit the more favorable timing of the engine(s) ; while further lowering both emissions and fuel consumption and also yielding improved relative horsepower and performance. Resulting from more complete and efficient electro-chemical combustion and reduced amounts of remaining unburned fuel per cycle(s) at cc and ml levels @ under-utilized fuel atoms/molecules and byproducts pollutants, etc.

6. The spark kernel generated by this new improved spark plug and ignition system method invention is more significant, substantial and larger than other plug(s). This may result in more relative flame turbulence inside the specific engine cylinder(s). This improved spark plug invention may now also do somewhat what the vortex engine does—only now in all or almost all engine design(s) and configurations— prospectively resulting in manifested correspondent fuel consumption reductions and various reduced bulk fuel requirements at various specific RPM speeds, engine temperatures, air/fuel mixtures, and combustion ratios, etc.

7. This invention may also provide a unique piezo-electric converter, that may variously be connected to high frequency current supply with the purpose and result of intensification of the combustion process(es) more efficiently, etc.

8. The invention is also relevant to the engine, burning any fuel at any speed(s), as it may also be used to improve combustion engine ignition in the winter period(s) and also anytime for self-cleaning of any carbon or unburned fuel deposition(s) on the spark plug electrodes when the engine is operating at all RPM levels—thus also oftentimes reducing fuel consumption in this manner, in comparison to prior art for spark plug(s) and prior engine ignition configuration(s), etc.

9. I further declare that all statements made herein of my own knowledge are true and that all statements made upon information and belief are, to the best of my present understanding, knowledge and now available information regarding these matters, believed to be true, and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the *United States Code* and that such willful false statements may jeopardize the validity of the application and any patent issuing therefrom .

Very Respectfully,


Terry Kolp, Pro Se
Individual Inventor

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